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(54) THIAZOLINE DERIVATIVE

(57) Abstract:

PURPOSE: To obtain a new thiazolidine derivative which is useful as a medicine for circulatory organs because it has actions to improve metabolism of lipid and glucose in blood and inhibit the aldose reductase.

CONSTITUTION: A compound of the formula [R¹ is H, alkyl, aralkyl which may be substituted, cycloalkyl which may be substituted; R² is H, alkyl; R³ is H, OH-protecting group; R⁴ is R¹, aryl, alkoxy both of which may be substituted; R⁵ is H, alkyl, alkoxy; R⁶, R⁷ are H, alkyl; R⁸ is H, alkyl which may be substituted; R⁹ is alkyl which may be substituted; Ar is di-

valent aromatic or aromatic heterocyclic groups which may be substituted; W is CH₂, CO, CH, OR³, (R³ is R₃), N-OV (V is H, alkyl, aralkyl both of which may be substituted); U is a single bond, CH₂ or to form a double bond together with W; n is 1 to 10; Y, Z are O, NH, or X in case that W is CH₂), for example, 5-[4-(6-acetoxy-2,5,7,8-tetramethylchroman-2-ylmethoxy)benzyl]-2,4-dioxothiazolidine-3-acetic acid t-butyl ester.

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